IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of production of (-)-(S)-3-[1-(dimethylamino)ethyl]phenyl-N-ethyl-N-methylcarbamate, i.e. rivastigmine of formula II

$$N(CH_3)_2$$

II

or of its hydrogentartrate of formula I

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Ι

comprising, reductively aminating characterized in that methoxyacetophenone of formula VI

to form is reductively aminated to the compound of formula V

which is thereafter O-dealkylated to the racemic amine of formula IV

which is further resolved by reacting with an optically active acid, whereafter the desired respective diastereoisomer is crystallized and finally converted into the compound of formula III

which, in turn, is reacted, optionally in the form of its alkali salt, with a compound of formula VII

$$\nearrow$$

VII

wherein X is a leaving group.

Claim 2 (Currently Amended): The method according to claim 1, wherein characterized in that the racemic amine of formula IV is resolved by reacting with (S)-(+)-camphor-10-sulfonic acid.

Claim 3 (Currently Amended): The method according to claim 2, wherein characterized in that the racemic amine of formula IV is resolved by reacting with 1 equivalent of (S)-(+)-camphor-10-sulfonic acid.

Claim 4 (Currently Amended): The method according to claim 2, wherein characterized in that the racemic amine of formula IV is resolved by reacting with 0.6 equivalent of (S)-(+)-camphor-10-sulfonic acid.

Claim 5 (Currently Amended): The method according to <u>claim 1</u> any of preceding elaims, <u>wherein</u> eharacterized in that the obtained desired respective diastereoisomer is further re-crystallized.

Claim 6 (Currently Amended): The method according to claim 5, wherein characterized in that the obtained desired respective diastereoisomer is further re-crystallized from ethylacetate, optionally in admixture with ethanol.

Claim 7 (New): The method according to claim 2, wherein the obtained desired respective diastereoisomer is further re-crystallized.

Claim 8 (New): The method according to claim 3, wherein the obtained desired respective diastereoisomer is further re-crystallized.

Claim 9 (New): The method according to claim 4, wherein the obtained desired respective diastereoisomer is further re-crystallized.

Claim 10 (New): The method according to claim 7, wherein the obtained desired

respective diastereoisomer is further re-crystallized from ethylacetate, optionally in admixture

with ethanol.

Claim 11 (New): The method according to claim 8, wherein the obtained desired

respective diastereoisomer is further re-crystallized from ethylacetate, optionally in admixture

with ethanol.

Claim 12 (New): The method according to claim 9, wherein the obtained desired

respective diastereoisomer is further re-crystallized from ethylacetate, optionally in admixture

with ethanol.

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